

DATE OF PREP: 8/18/89

IPL # 20065

## SECTION I

MANUFACTURERS NAME:  
AKZO COATINGS INC.  
AEROSPACE FINISHES  
SET ADDRESS:  
434 W. MEATS AVE  
ORANGE, CA 92665

The California Safe Drinking Water and Toxic Act of 1986, Proposition 65, requires that potentially exposed individuals be informed of the presence of a chemical that has been determined to cause cancer or reproductive harm. As part of Akzo Coatings' responsibility under this law, such notice is hereby given.

EMERGENCY TELEPHONE NUMBERS:  
8:00AM-4:45PM (313) 589-3660  
EASTERN TIME ZONE  
AFTER HOURS (313) 855-7313

MANUFACTURERS CODE IDENTIFICATION:  
X 304

TRADE NAME:  
EPOXY CATALYST - COMPOSITE

## SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS:	C.A.S. NO.	* PCT *	* TLV *		* PEL *		* VAPOR PRESS
			* PPM	MG/M3 *	PPM	MG/M3 *	
BUTYL ACETATE	123-86-4	*20-35*	* 150.00	710.00*	150.00	710.00*	8.0
ESTER SOLVENT		* * *		*		*	
2-BUTOXYETHANOL	111-76-2	*10-25* SKIN	* 25.00	120.00*	50.00	240.00*	.6
BUTYL CELLOSOLVE		* * *		*		*	
N-BUTYL ALCOHOL	71-36-3	*20-35* SKIN	* 50.00	150.00*	100.00	300.00*	4.4
N-BUTANOL		* * *		*		*	
ETHYLENE TRIAMINE	111-40-0	* 5-20* SKIN	* 1.00	4.00*	-----	-----*	22.0
METHYL ETHYL KETONE	78-93-3	*20-35*	* 200.00	590.00*	200.00	590.00*	70.0
MEK		* * *		*		*	
TOLUENE	108-88-3	* <5*	* 100.00	375.00*	200.00	-----*	22.0
TOLUOL		* * *		*		*	

## SECTION III - PHYSICAL DATA

BOILING RANGE:  
175 - 405 DEG. F

VAPOR DENSITY VS. AIR:  
HEAVIER THAN AIR

EVAPORATION RATE VS. ETHER:  
SLOWER

PERCENT VOLATILE BY VOLUME:  
83.7

WEIGHT PER GALLON:  
7.31 LBS.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

## DOT CATEGORY:

PAINT,

FLAMMABLE LIQUID, UN-1263

## FLASH POINT:

23F TCC

LEL: 1.1

## OSHA CLASSIFICATION:

FLAMMABLE LIQUID - CLASS IB

## EXTINGUISHING MEDIA:

FOAM, CARBON DIOXIDE, DRY CHEMICALS

## UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS OVER EXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

## SPECIAL FIRE FIGHTING PROCEDURES:

WATER MAY BE INEFFECTIVE. WATER SHOULD BE USED TO COOL CONTAINERS EXPOSED TO FIRE. FIRE FIGHTING PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

## SECTION V - REACTIVITY DATA

## STABILITY:

STABLE

## INCOMPATIBILITY (MATERIALS TO AVOID):

NONE REASONABLY FORESEEABLE.

## HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE, CARBON DIOXIDE, SMOKE, OXIDES OF NITROGEN.

## HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

## CONDITIONS TO AVOID:

NOT APPLICABLE

## SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II.

## EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY.

SKIN CONTACT: WASH WITH SOAP & WATER.

EYE CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, CONSULT A PHYSICIAN.

INGESTION: DRINK ONE OR TWO GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING.

CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.

MEDICAL CONDITIONS PRONE TO AGGRAVATION: NONE EXPECTED

THE FOLLOWING HAZARDS HAVE BEEN REPORTED TO BE ASSOCIATED WITH THE INDIVIDUAL COMPONENTS OF THIS PRODUCT. THESE HAZARDS MAY NOT ALL BE ASSOCIATED WITH THE FINISHED PRODUCT.

## ACUTE:

EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.

EYE CONTACT MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION, AND A SENSATION OF SEEING HALOS AROUND LIGHTS.

PROLONGED CONTACT WITH THE SKIN MAY LEAD TO EXTRACTION OF NATURAL OILS WITH RESULTANT MILD IRRITATION.

IF SWALLOWED, CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMITITIS.

EYE IRRITANT, CONTACT MAY CAUSE EYE BURNS OR CORNEAL INJURY.

VAPORS MAY BE IRRITATING AND CAUSE COUGHING, HEADACHE, NAUSEA, AND VOMITING.

MODERATELY TOXIC IF SWALLOWED. MAY CAUSE HEADACHE, NAUSEA, VOMITING, AND WEAKNESS.

PENETRATES SKIN READILY. FREQUENT OR WIDESPREAD CONTACT MAY RESULT IN THE ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS WITH POSSIBLE INJURY TO KIDNEYS, LIVER, BLOOD, AND/OR BONE MARROW.

CAN BE ABSORBED THROUGH THE SKIN.

SWALLOWING CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

CORROSIVE TO THE EYES, CONTACT WITH EYES MAY CAUSE BLINDNESS.

WARNING! MAY CAUSE SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.

CORROSIVE TO THE SKIN. CONTACT WITH SKIN WILL CAUSE BURNS, POSSIBLE DEEP ULCERATION.

INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, VOMITING, AND DEPRESSION.

SYMPTOMS OF INHALATION RANGE FROM IRRITATION OF RESPIRATORY TRACT AND MILD DEPRESSION CHARACTERIZED BY DIZZINESS, HEADACHES, OR NAUSEA TO CONVULSIONS AND LOSS OF CONSCIOUSNESS.

NOTICE: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

## CHRONIC:

REPEATED OVEREXPOSURE MAY RESULT IN DAMAGE TO THE BLOOD.

OVEREXPOSURE HAS BEEN SUGGESTED AS THE CAUSE FOR EYE DAMAGE IN HUMANS.

HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS POSE POTENTIAL HUMAN

HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS AND VAPORS OF PETROLEUM PRODUCTS SHOULD BE MINIMIZED.

OVEREXPOSURE TO MATERIAL HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: LIVER ABNORMALITIES.

## SECTION VII - SPILL OR LEAK PROCEDURES

## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

REFER TO PROTECTIVE MEASURES LISTED IN SECTIONS IV., V., VI., VIII. AND IX.  
REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE WITH INERT ABSORBENT.

## WASTE DISPOSAL METHOD:

INCINERATE IN AN APPROVED FACILITY, DO NOT INCINERATE CLOSED CONTAINERS. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL POLLUTION CONTROL REQUIREMENTS.

## SECTION VIII - SAFE HANDLING &amp; USE INFORMATION

## RESPIRATORY PROTECTION:

ADEQUATE VENTILATION IS REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR DEVICE.  
SEE YOUR SAFETY EQUIPMENT SUPPLIER FOR EVALUATION AND RECOMMENDATION.  
IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIRLINE RESPIRATOR OR HOOD.

## VENTILATION:

PROVIDE SUFFICIENT VENTILATION TO KEEP VAPOR CONCENTRATION BELOW THE GIVEN TLV AND LEL. FOR BAKING FINISHES, EXHAUST VAPORS EMITTED ON HEATING. REMOVE DECOMPOSITION PRODUCTS FORMED DURING WELDING OR FLAME CUTTING OF SURFACES COATED WITH THIS PRODUCT.

## PROTECTIVE GLOVES:

REQUIRED FOR PROLONGED OR REPEATED CONTACT. REFER TO SAFETY EQUIPMENT SUPPLIER FOR EFFECTIVE GLOVE RECOMMENDATIONS.

## EYE PROTECTION:

USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

## OTHER PROTECTIVE EQUIPMENT:

EYE BATH AND SHOWER SHOULD BE AVAILABLE. USE CHEMICAL RESISTANT APRON, BOOTS OR OTHER CLOTHING IF NEEDED TO AVOID REPEATED OR FREQUENT SKIN CONTACT. LIQUID MAY PENETRATE SHOES AND LEATHER CAUSING DELAYED IRRITATION.

## HYGIENIC PRACTICES:

WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM

## SECTION IX - SPECIAL PRECAUTIONS

## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE CONTAINERS OUT OF SUN AND AWAY FROM HEAT, SPARKS AND OPEN FLAMES. CLOSE CONTAINERS AFTER EACH USE. CONSULT N.F.P.A. CODE FOR ADDITIONAL STORAGE REQUIREMENTS.

## OTHER PRECAUTIONS:

DO NOT TAKE INTERNALLY. USE APPROVED BONDING AND GROUNDING PROCEDURES. OBSERVE LABEL PRECAUTIONS. KEEP CLOSURES TIGHT AND CONTAINER UPRIGHT TO PREVENT LEAKAGE. NEVER USE PRESSURE TO EMPTY - DRUM IS NOT A PRESSURE VESSEL. AVOID BREATHING SANDING DUST. DO NOT WELD OR FLAME CUT AN EMPTY DRUM. DO NOT HANDLE UNTIL THE MANUFACTURER'S SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

APPROVED BY RAW MATERIAL & FORMULA INFORMATION DEPARTMENT

NAME: 

DATE: 12/06/88

FORMULA DATE 6/27/89

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SECTION 313 SUPPLIER NOTIFICATION

THIS PRODUCT, X 304 , CONTAINS THE FOLLOWING TOXIC CHEMICALS  
SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE SUPERFUND  
AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372.

CAS #	CHEMICAL NAME	% BY WEIGHT
111-76-2	2-BUTOXYETHANOL	10.8
71-36-3	N-BUTYL ALCOHOL	20.6
78-93-3	METHYL ETHYL KETONE	24.3
108-88-3	TOLUENE	3.2

THIS INFORMATION MUST REMAIN ATTACHED TO THE PRODUCT MSDS AND MUST BE  
INCLUDED AND DISTRIBUTED WITH ANY COPY OF THE MSDS.